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Attorney's Docket No.: 07844-366001 / P341

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-68. (Cancelled)

69. (Currently Amended) A computer program product, tangibly stored on a computer-readable medium, for reflowing a page, the product comprising instructions operable to cause a programmable processor to:

receive a page represented in a page description language, the page including a plurality of columns of text positioned side-by-side on the page, each of the plurality of columns having a width and a length, the page further including a graphical element having a vertical position on the page, adjacent to a vertical side of one of and outside each of the columns, ~~wherein an item of text in the column and the graphical element have a spatial relationship in that the item has a vertical position corresponding to the vertical position of the graphical element;~~

for each of the plurality of columns, associate an item of text in the column with the graphical element, the item and the graphical element having a spatial relationship in that the item has a vertical position corresponding to the vertical position of the graphical element;

for at least one of the plurality of columns, change the size of the text, the width of the column, or both so that the relationship between the size of the text and the width of the column is changed, and then reflow text in the plurality of columns so that the item of text in each of the columns has a new vertical position as a result of the reflow;

for each of the items, calculate a change in vertical position resulting from the reflow;
and

reposition the graphical element on the page according to the new vertical position of the item of text having the greatest change in vertical position.

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70. (Currently Amended) The product of claim 69, wherein the graphical element has a vertical extent defined by an upper vertical position and a lower vertical position, the vertical position of one of the items corresponds to the upper vertical position, and the item is a first item, the product further comprising instructions to:

associate, with the graphical element a second item of text in the column of the first item ~~with the graphical element~~, the second item having, before the reflow, a vertical position corresponding to the lower vertical position, the second item having a new vertical position as a result of the reflow; and

scale the graphical element, the scaling being based on the new vertical position of the first item and the second item.

71. (Previously Presented) The product of claim 70, wherein instructions to scale include instructions to scale in the vertical direction.

72. (Previously Presented) The product of claim 70, further comprising:
define a map that indicates a change in vertical positions of the first and second items, the change resulting from the reflow, the map indicating pre-reflow and post-reflow vertical positions of the first and second items.

73. (Canceled)

74. (Currently Amended) The product of claim ~~73~~ 69, further comprising instructions to:

identify columns that are positioned top-to-bottom and separated by line art as separate columns when reflowing text.

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75. (Previously Presented) The product of claim 69, further comprising instructions to:

insert a hyphen at the end of a line of text when the word at the end was separated by reflow and there is a soft hyphen at the position where the hyphen is to be insert; and maintain a hyphen in a word when the word is no longer separated.

76. (Previously Presented) The product of claim 69, further comprising instructions to:

replicate ligatures when reflowing text.

77. (Previously Presented) The product of claim 69, wherein:
the graphical element is line art.

78. (Currently Amended) The product of claim 69, wherein:
at least one of the items of text is one of a character ~~and~~ or a word.

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79. (Currently Amended) A method for reflowing a page, comprising:
receiving a page represented in a page description language, the page including a plurality of columns of text positioned side-by-side on the page, each of the plurality of columns having a width and a length, the page further including a graphical element having a vertical position on the page, adjacent to a vertical side of one of and outside each of the columns, ~~wherein an item of text in the column and the graphical element have a spatial relationship in that the item has a vertical position corresponding to the vertical position of the graphical element;~~

for each of the plurality of columns, associating an item of text in the column with the graphical element, the item and the graphical element having a spatial relationship in that the item has a vertical position corresponding to the vertical position of the graphical element;

for at least one of the plurality columns, changing the a size of the text, the width of the column, or both so that the relationship between a the size of the text and the width of the column is changed, and then reflowing text in the plurality of columns so that the item of text in each of the columns has a new vertical position as a result of the reflow;

for each of the items, calculating a change in vertical position resulting from the reflow;
and

repositioning the graphical element on the page according to the new vertical position of the item of text having the greatest change in vertical position.

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80. (Currently Amended) The method of claim 79, wherein the graphical element has a vertical extent defined by an upper vertical position and a lower vertical position, the vertical position of one of the items corresponds to the upper vertical position, and the item is a first item, the method further comprising:

associating, with the graphical element, a second item of text in the column of the first item with the graphical element, the second item having, before the reflow, a vertical position corresponding to the lower vertical position, the second item having a new vertical position as a result of the reflow; and

scaling the graphical element, the scaling being based on the new vertical position of the second item.

81. (Previously Presented) The method of claim 80, wherein scaling includes scaling in the vertical direction.

82. (Previously Presented) The method of claim 80, further comprising:
defining a map that indicates a change in vertical positions of the first and second items of text, the change resulting from the reflow, the map indicating pre-reflow and post-reflow vertical positions of the first and second items.

83. (Canceled)

84. (Currently Amended) The method of claim ~~83~~ 79, further comprising:
identifying columns that are positioned top-to-bottom and separated by line art as separate columns when reflowing text.

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85. (Previously Presented) The method of claim 79, further comprising:
inserting a hyphen at the end of a line of text when the word at the end was separated by
reflow and there is a soft hyphen at the position where the hyphen is to be insert; and
maintaining a hyphen in a word when the word is no longer separated.

86. (Previously Presented) The method of claim 79, further comprising:
replicating ligatures when reflowing text

87. (Previously Presented) The method of claim 79, wherein:
the graphical element is line art.

88. (Currently Amended) The method of claim 79, wherein:
at least one of the items of text is one of a character ~~and~~ or a word.

89. (New) The product of claim 69, wherein:
the page is one of a page in a structured document, a page in a PDF document, or a page
represented in the PostScript page description language.

90. (New) The method of claim 79, wherein:
receiving a page includes receiving one of a page in a structured document, a page in a
PDF document, or a page represented in the PostScript page description language.